2. (Amended) The head suspension assembly of claim 1 wherein [at least one] the strain transducer circuit is located on the load beam.

3. (Amended) The head suspension assembly of claim [2] 1 wherein the load beam includes a spring region between the rigid region and the mounting region [base] and further wherein [at least one] the strain transducer circuit is located in the spring region.

4. (Amended) The head suspension assembly of claim [2] 1 wherein [at least one] the strain transducer circuit is located on the rigid region of the load beam.

5. (Amended) The head suspension assembly of claim 1 wherein the flexure includes a head attachment region for supporting [the] a read/write head at the distal end of the load beam [such that] and wherein an elastic deformation of the head suspension assembly can displace the head attachment region from a neutral position and generate [generates] strain in the head suspension assembly [and displaces the head attachment region from a neutral position].

7. (Amended) The head suspension assembly of claim 6 wherein [at least one] the strain transducer circuit is located on the load beam.

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8. (Amended) The head suspension assembly of claim 5 wherein [the load beam includes a spring region between the rigid region and the base and further wherein at least one] the strain transducer circuit is located in the spring region.

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9. (Amended) The head suspension assembly of claim 8 including a first strain transducer circuit and a second strain transducer circuit wherein the spring region has an open region that divides the spring region into [two] first and second radius arms and [a] the first strain transducer circuit is located on the first radius arm and the second strain transducer circuit is located on the second radius arm [each one of the radius arms].

14 13. (Amended) A head suspension assembly comprising:

a load beam having a proximal end, a distal end, a mounting region on the proximal end, [and] a rigid region adjacent to the distal end and a spring region between the rigid region and the mounting region;

a flexure having a head attachment region for supporting a read/write head and at the distal end of the load beam, [such that an elastic deformation of the head suspension assembly displaces] the head attachment region displaceable from a neutral position, such displacement causing strain in the head suspension assembly; [and]

a microactuator on the head suspension assembly between the mounting region and the head attachment region and to displace the head attachment region from the neutral position and along a transverse tracking axis ; and

at least one strain transducer circuit on the head suspension assembly [and to detect] for detecting strain in the head suspension assembly [caused by deformation thereof,] wherein displacement of the head attachment region from the neutral position caused by the microactuator is detected by the strain transducer circuit [allowing detection of motion of the head mounting region out of the neutral position].

14 15. (Amended) The head suspension assembly of claim 13 wherein the strain transducer circuit has an electrical resistance which varies with strain in the head suspension assembly at a position of the strain transducer circuit thereon [such that the resistance in the strain transducer circuit varies with deformation of the head suspension assembly to allow detection of motion of the head mounting region out of the neutral position].

14 17. (Amended) A head suspension assembly in which resonance mode motion can induce strain, comprising:

a load beam having a proximal end, a distal end, a mounting region on the proximal end, [and] a rigid region adjacent to the distal end and a spring region between the rigid region and the mounting region;

an actuator arm having a proximal end and a distal end, the proximal end of the load beam mounted to [supported therefrom] the distal end of the actuator arm;

a flexure for supporting a read/write head [on a head attachment region] and at the distal end of the load beam [such that an elastic deformation of the head suspension assembly displaces the head attachment region from a neutral position]; and

at least one strain transducer circuit on the head suspension assembly for detecting [and to detect] strain in the head suspension assembly [caused by deformation thereof, allowing detection of motion of the head mounting region out of the neutral position] such that the strain transducer circuit detects resonance frequency vibrations of the head suspension assembly.

18. (Amended) The head suspension assembly of claim 17 wherein the strain transducer circuit has an electrical resistance which varies with strain in the head suspension assembly at a position of the strain transducer circuit thereon [such that the resistance in the strain transducer circuit varies with deformation of the head suspension assembly to allow detection of motion of the head mounting region out of the neutral position].

19. (Amended) The head suspension assembly of claim [18] 17 wherein [at least one] the strain transducer circuit is located on the actuator arm.

20. (Amended) The head suspension assembly of claim [18] 17 including a first strain transducer circuit and a second strain transducer circuit wherein [at least a] the first strain transducer circuit is located on the actuator arm and [at least a] the second strain transducer circuit is located on the load beam.

Please add new claim 21.